(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 23 June 2005 (23.06.2005)

PCT

(10) International Publication Number WO 2005/056915 A1

(51) International Patent Classification7:

D21B 1/02

(21) International Application Number:

PCT/FI2004/000759

(22) International Filing Date:

13 December 2004 (13.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 20031818

11 December 2003 (11.12.2003) F

- (71) Applicant (for all designated States except US): VAL-TION TEKNILLINEN TUTKIMUSKESKUS [FI/FI]; Vuorimiehentie 5, FI-02150 ESPOO (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PERE, Jaakko [FI/FI]; Rekitic 15 b, FI-01640 VANTAA (FI). ELLMÉN, Jouni [FI/FI]; Virpikuja 5 G 56, FI-01360 VANTAA (FI). VIIKARI, Liisa [FI/FI]; Lokkikuja 5 F, FI-00200 HELSINKI (FI).
- (74) Agent: SEPPO LAINE OY; Itämerenkatu 3 B, FI-00180 HELSINKI (FI).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR PREPARING MECHANICAL PULP

(57) Abstruct: The invention relates to a method for the pre-treatment of chips, which can be used to reduce the specific energy consumption of mechanical pulp and to improve the technical properties of the fibres. In the treatment, chips in a liquid phase are brought into contact with an enzyme preparation containing cellobiohydrolase and endoglucanase

2005/056915 A1